

# News from Wanner International.

## **Hydra-Cell... the pumps for high efficiency.**

Thanks to their unique, seal-less design, Hydra-Cell® pumps are able to operate at exceptionally high efficiency levels, claims Wanner International... And higher efficiency translates directly to 'lower energy costs'.

The Hydra-Cell pump drive mechanism is submerged in a reservoir of oil, which keeps it permanently lubricated and allows power to be transmitted through the drive train with minimal frictional losses. With no dynamic seals in the pumped liquid to further consume energy, industry leading pumping efficiencies as high as 85% minimise Hydra-Cell's power requirements.

This compares with around 45-50% pumping efficiency for a typical multi-stage centrifugal pump and, as a result, Hydra-Cell pumps can frequently be fitted with smaller motors than would be needed to meet the same flow and pressure requirements.

Unlike pumps such as screw and gear pumps that depend on close internal tolerances to operate, Hydra-Cell pumps have no internal process fluid 'leak paths' and exhibit no efficiency 'drop-off' as pressures increase and/or viscosities fall.

Wanner has also turned its attention to improving pumping system efficiency with the introduction of Intelligent Pump Control™ technology, whereby changing system flow and pressure requirements can be met precisely and automatically, without resorting to wasteful, energy wasting, bypass systems.

With energy efficiency playing an ever-increasing role in the total cost of ownership equation, would it not be prudent to consider Hydra-Cell?

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**Note:**

Wanner is the world's leading manufacturer of seal-less, high-pressure, diaphragm pumps. These Hydra-Cell pumps are highly efficient, heavy duty pumps used for liquid transfer, metering, injection, spraying and dosing of the widest range of liquids including chemicals, solvents, acids, hydrocarbons, natural gas liquids, alkalis, polymers, aqueous ammonia, resins, slurries, wettable powders recycled or dirty liquids etc.

Hydra-Cell positive displacement, unique multi-diaphragm, seal-less pumps can handle corrosive, non-lubricating and abrasive liquids and slurries and can even run dry without suffering damage.